

Application No. 10/805,222
Amendment dated January 30, 2006
Reply to Office Action of October 19, 2005

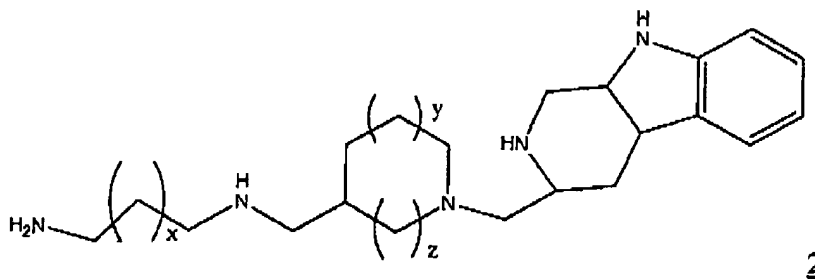
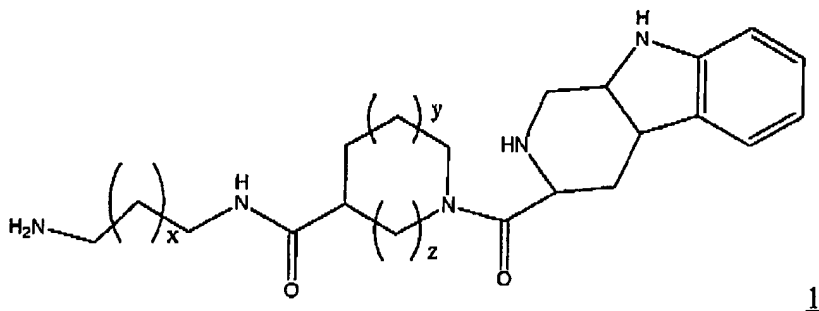
Docket No.: 22116-00011-US

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior listings and version of claims in this application.

Please cancel claim 4 without prejudice to its reentry at some later date.

1. (Currently Amended) A tetrahydro- β -carboline compound represented by the following formulae:



wherein x, y and z are each independently an integer of 0 to 4, and R is selected from the group consisting of H, alkyl, aryl and heterocyclic moiety wherein the alkyl, aryl and heterocyclic moiety are optionally substituted with a member selected from the group consisting of halogen, alkoxy and trifluoromethyl; pharmaceutically acceptable salts thereof and prodrugs thereof.

Application No. 10/805,222
Amendment dated January 30, 2006
Reply to Office Action of October 19, 2005

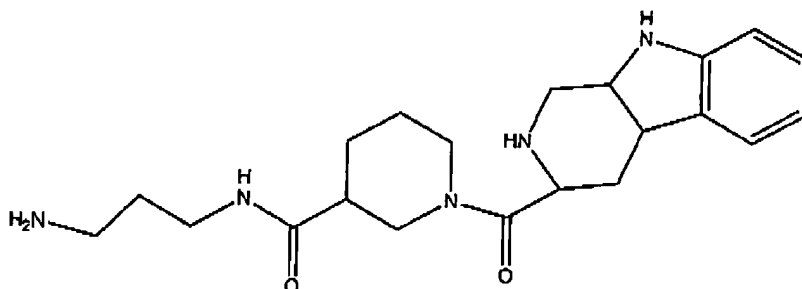
Docket No.: 22116-00011-US

2. (Original) A compound according to claim 1 being a carboline bisamide represented by formula 1.

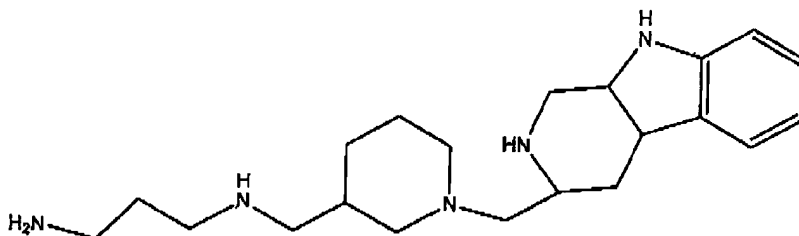
3. (Original) A compound according to claim 1 being a carboline tetraamine represented by formula 2.

4. (Canceled)

5. (Currently Amended) A compound according to claim 1 represented by the formula:



6. (Currently Amended) A compound according to claim 1 represented by the formula:

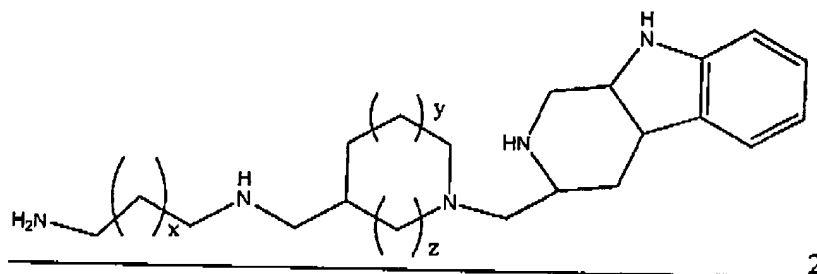
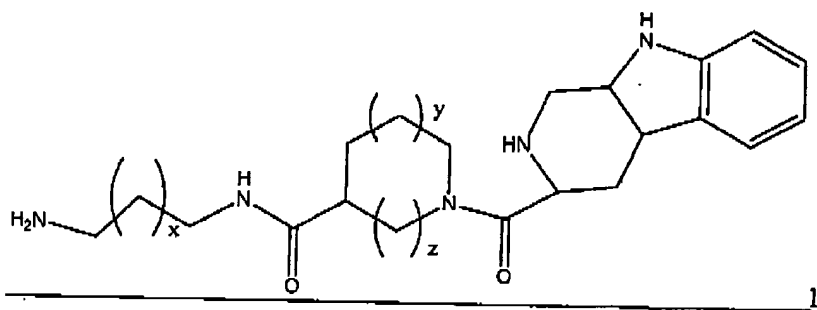


7. (Original) A pharmaceutical composition comprising a tetrahydro- β -carboline compound according to claim 1.

Application No. 10/805,222
Amendment dated January 30, 2006
Reply to Office Action of October 19, 2005

Docket No.: 22116-00011-US

8. (Currently Amended) A method for treating a neurological disease which comprises administering to a patient suffering from a neurological disease, an effective neurological treatment amount of a tetrahydro- β -carboline compound ~~according to claim 4~~ represented by the following formulae:



wherein x, y and z are each independently an integer of 0 to 4, pharmaceutically acceptable salts thereof and prodrugs thereof.

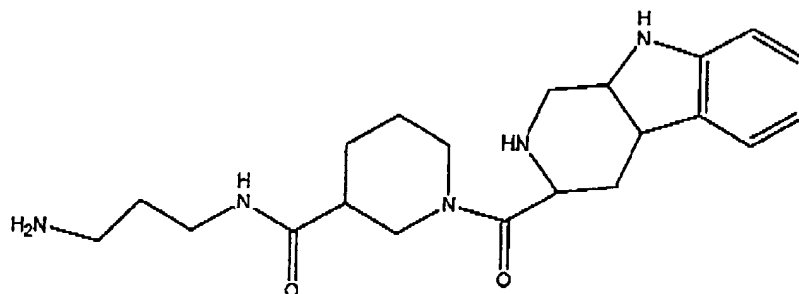
9. (Original) The method of claim 8 wherein the neurological disease comprises depression.

10. (Original) The method of claim 8 wherein the neurological disease comprises anxiety.

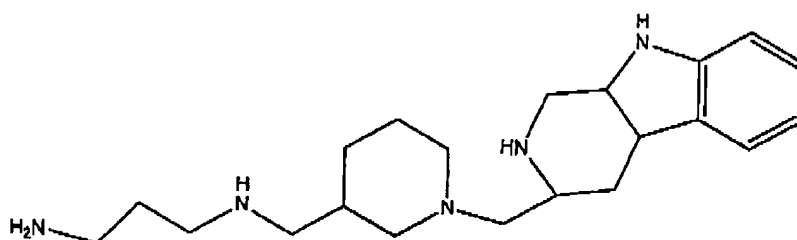
Application No. 10/805,222
Amendment dated January 30, 2006
Reply to Office Action of October 19, 2005

Docket No.: 22116-00011-US

11. (New) The method of claim 8 wherein the compound is a carboline bisamide represented by formula 1.
12. (New) The method of claim 8 wherein the compound is a carboline tetraamine represented by formula 2.
13. (New) The method of claim 8 wherein the compound is represented by the formula:



14. (New) The method of claim 8 wherein the compound is represented by the formula:



Application No. 10/805,222
Amendment dated January 30, 2006
Reply to Office Action of October 19, 2005

Docket No.: 22116-00011-US

15. (New) A method for treating a neurological disease which comprises administering to a patient suffering from a neurological disease, an effective neurological treatment amount of a tetrahydro- β -carboline compound according to claim 1.